

APPLICATION FOR REGISTRATION
LURE N KILL JAPANESE BEETLE

SEX LURE AND FLORAL (FOOD) LURE
Biochemical Attractants
END-USE PRODUCT

EPA File Symbol 8730-XX

LURE N KILL JAPANESE BEETLE (JB) - Volume 1

ADMINISTRATIVE MATERIALS, CORRESPONDENCE,
APPLICATION FORM AND PROPOSED LABEL

Author

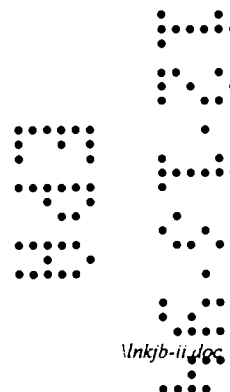
Priscilla K. MacLean
Product Development Manager

Date Completed

December 11, 1994

Submitted by

Hercon Environmental Company
A Division of Hercon Laboratories Corporation
Aberdeen Road
Emigsville, PA 17318-0467
Telephone: (717) 764-1191
Telefax: (717) 764-5211



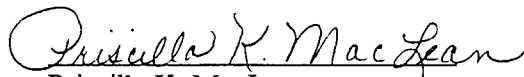
CONFIDENTIALITY CLAIM

STATEMENT OF DATA CONFIDENTIALITY CLAIMS

Information claimed confidential on the basis of its falling within the scope of FIFRA 10(d)(1)(A), (B) or (C) has been removed to a confidential appendix and is cited by cross-reference number in the body of the study.

Company: Hercon Environmental Company

Signature:



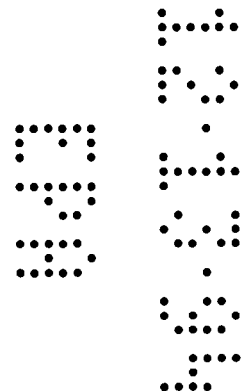
Priscilla K. MacLean

Title:

Product Development Manager

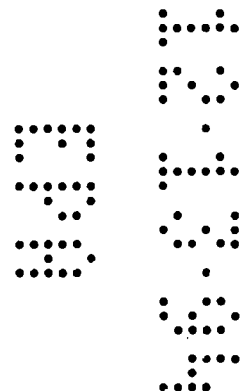
Date:

December 11, 1994



GOOD LABORATORY PRACTICE STATEMENT

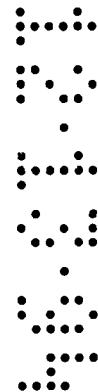
The purpose and scope of this report **DO NOT** fall
under the requirements of 40 CFR 160.



LURE N KILL JAPANESE BEETLE (JB) - Volume 1

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Hercon letter of introduction to EPA (Part 1 of 2)



HERCON ENVIRONMENTAL COMPANY
A Division of Hercon Laboratories Corporation
Aberdeen Road, P. O. Box 467, Emigsville, PA 17318-0467
Phone (717) 764-1191 • Fax (717) 764-5211

December 11, 1994

Mr. Phillip O. Hutton
Product Manager, Team 18
U.S. Environmental Protection Agency
OPP-RD-IRB
Crystal Station I, 5th Floor
Arlington, VA 22202

Subject: Application for an EPA Registration (Cite All, "Me-Too")
LURE N KILL JAPANESE BEETLE
EPA File Symbol 8730-XX

Dear Mr. Hutton:

Enclosed is our application for EPA registration of the Hercon LURE N KILL JAPANESE BEETLE [sex lure and floral (food) lure] product which uses the following ingredients: japonilure, the sex pheromone of the Japanese beetle, *Popillia japonica*, in the sex lure dispenser; and a three-component mixture of phenyl ethyl propionate (PEP), eugenol and geraniol, the insect's floral-scented food attractant, in the floral (food) lure dispenser.

REQUEST FOR EXPEDITED REVIEW: Per our discussion during our meeting on Wednesday, December 7, 1994, at your office (also in attendance: for EPA: Mr. Willie Nelson, Team 18; for Hercon Environmental, Dr. Alberto R. Quisumbing, Vice President, and Ms. Lucinda Taylor, Regulatory Specialist), we respectfully request that the review of this submission be expedited since we are applying for a "me-too" registration. In accordance with FIFRA Section 3(c)(3)(b)(i), the two dispensers comprising the product are similar or identical in composition and labeling to currently EPA registered products.

CITE-ALL METHOD OF SUPPORT: We are citing all the data in the Agency's files to support this subject application. We have already mailed "Offer to Pay" letters to all the companies listed on the Pesticide Data Submitters List for all the active ingredients in the sex lure and floral (food) lure dispensers. A completed EPA Form 8570-29 (Certification with Respect to Citation of Data) is included in the attached Volume 1.

PRODUCT IS IDENTICAL TO CURRENT EPA-REGISTERED FORMULATIONS: The Hercon Japanese Beetle sex lure dispenser in the subject product is identical to the japonilure dispenser in the Spectracide Bag-A-Bug Japanese Beetle Trap, EPA Reg. No. 8845-48 (Spectrum Group, Division of United Industries, St. Louis, MO). (Hercon Environmental manufactures the sex lure for Bag-A-Bug.) The sex lure dispenser is also identical to our previously EPA-registered Hercon Luretape with Japonilure, EPA Reg. No. 8730-18. This registration was voluntarily withdrawn after EPA no longer required registration of pheromone products used as trap lures, and our company stopped marketing our lawn and garden/consumer products.

Hercon letter of introduction to EPA (Part 2 of 2)

Mr. Phillip O. Hutton, Product Manager #18
December 11, 1994
Page 2

The enclosed Confidential Statement of Formula (CSF) for the Japanese beetle sex lure dispenser reflects the minor changes in the inert ingredients listed in the older EPA Reg. No. 8730-18 formulation. Specifically, the new CSF shows that the "stabilizer" (0.38%) had been eliminated (since the product is not exposed to very high temperatures during the manufacturing process), and the old "plasticizer", bis-2-ethylhexyl phthalate (Palatinol DOP), had been replaced by another plasticizer, triisooctyl trimellitate (TOTM). The latter is also the plasticizer in several Hercon products, including Hercon Japanese Beetle Food Lure, EPA Reg. No. 8730-56.

The Hercon Japanese Beetle floral (food) lure dispenser in the subject product is identical to our currently registered Hercon Japanese Beetle Food Lure, EPA Reg. No. 8730-56, which we were selling separately. Since we have now revived our lawn and garden product line, we intend to market replacement sex lure and floral lure bait packs, and trap kits with the combination lure packs in early 1995.

PRODUCT LABELING: The product labeling submitted as part of this application is similar to those of the previously mentioned EPA-registered Japanese Beetle trap and lure products, and the Safer Beetle Trap Replacement Bait, EPA Reg. Nos. 36488-19-42697 (floral lure) and 36488-20-42697 (sex lure). Please note that we are submitting Label A which will appear on our replacement bait pack, and Label B which will be printed on the package containing the bait pack plus the trap vanes and accessories. The package will also contain an enclosed Trap Assembly Guide which we are submitting as part of Label B. The Precautionary Statements and Directions for Use in Label A (Bait Pack) will appear both on Label B's trap and bait package (box) and in the enclosed assembly guide.


We trust that you will find the contents of the attached Volume 1 complete to allow the expedited review and issuance of the EPA registration. Because of our plans to market this LURE N KILL JAPANESE BEETLE product in Spring 1995, we will greatly appreciate your cooperation on this matter.

Please call me at (717) 764-1191 if I can be of further assistance. Both Dr. Quisumbing and Ms. Taylor will also be available to help you in my absence.

Thank you very much.

Sincerely yours,

HERCON ENVIRONMENTAL


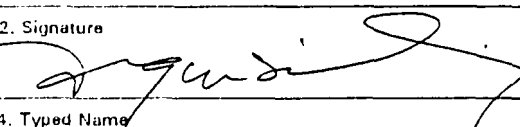


Priscilla K. MacLean
Product Development Manager


Application (EPA Form 8570-1)

Please read instructions on reverse before completing form.

Form Approved. OMB No. 2070-0060. Approval expires 2-28-95

 United States Environmental Protection Agency Washington, DC 20460		<input checked="" type="checkbox"/> Registration <input type="checkbox"/> Amendment <input type="checkbox"/> Other	OPP Identifier Number <div style="font-size: 1.5em;">215430</div>
Application for Pesticide - Section I			
1. Company/Product Number <div style="text-align: center;">8730</div>		2. EPA Product Manager P. Hutton	
4. Company/Product (Name) LURE N KILL JAPANESE BEETLE		3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted	
5. Name and Address of Applicant (Include ZIP Code) HERCON ENVIRONMENTAL COMPANY A Division of Hercon Laboratories Aberdeen Road Emigsville, PA 17318-0467 <input type="checkbox"/> Check if this is a new address		6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: 8845-48 (old 8730-18) for sex <u>lure</u> EPA Reg. No. Lure, Hercon Luretape w/Japonilure 8730-56/Hercon Japanese Beetle Product Name <u>Food Lure</u>	
Section - II			
<div style="display: flex; justify-content: space-between;"> <div> <input type="checkbox"/> Amendment - Explain below. <input type="checkbox"/> Resubmission in response to Agency letter dated _____ <input type="checkbox"/> Notification - Explain below. </div> <div> <input type="checkbox"/> Final printed labels in response to Agency letter dated _____ <input checked="" type="checkbox"/> "Me Too" Application. <input type="checkbox"/> Other - Explain below. </div> </div>			
Explanation: Use additional page(s) if necessary. (For section I and Section II.) This application is to obtain a single EPA Reg. No for two separate Hercon products which already have their respective EPA Reg. Nos. The sex lure component, previously EPA Reg. No. 8730-18, is currently registered as part of EPA Reg. No. 8845-48 while the food lure is EPA Reg. No. 8730-56.			
Section - III			
1. Material This Product Will Be Packaged In:			
Child-Resistant Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No * Certification must be submitted	Unit Packaging <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If "Yes" Unit Packaging wgt. No. per container <div style="text-align: center;">0.93 g/set 1 set</div>	Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If "Yes" Package wgt No. per container	2. Type of Container <input type="checkbox"/> Metal <input type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input checked="" type="checkbox"/> Other (Specify) <u>Polymeric laminate in pouch</u>
3. Location of Net Contents Information <input checked="" type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container Set of 1 sex lure & 1 floral lure	
5. Location of Label Directions <input checked="" type="checkbox"/> on label and/ <u>on enclosed sheet</u> <input type="checkbox"/> on box containing the pouched lures		6. Manner in Which Label is Affixed to Product <input checked="" type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled	
Section - IV			
1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)			
Name Dr. Alberto R. Quisumbing		Title Vice President	
		Telephone No. (Include Area Code) (717) 764-1191	
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.			6. Date Application Received <div style="text-align: center;">(Stamped)</div>
2. Signature 		3. Title Vice President	
4. Typed Name Dr. Alberto R. Quisumbing		5. Date December 7, 1994	

Data Citation (EPA Form 8570-29)

 United States Environmental Protection Agency Washington, DC 20460		Form Approved OMB No. 2070-0060 Approval expires 9-30-90
Certification with Respect to Citation of Data		
Applicant's Name and Address HERCON ENVIRONMENTAL COMPANY A Division of Hercon Laboratories Aberdeen Road Emigsville, PA 17318-0467	EPA File Symbol/Registration Number 8730	
	Product Name LURE N KILL JAPANESE BEETLE	
	Date of Application December 7, 1994	

1. This application is supported by all data submitted or cited in the application. In addition, if cite-all options are indicated, this application is supported by all data in the Agency's files that concern the properties or effects of this product or of any other product that is identical or substantially similar, and that is one of the types of data that would be required to be submitted if this application sought the initial registration of a product of identical or similar composition and intended uses under the data requirements in effect on the date of approval of this application.

2. I certify that, for each study cited in support of this application for registration that is an exclusive use study, I am the original data submitter, or have obtained the written permission of the original data submitter to cite that study.


3. I certify that, for each study cited in support of this application for registration that is not an exclusive use study:

I am the original data submitter; or I have obtained the written permission of the original data submitter to cite that study; or

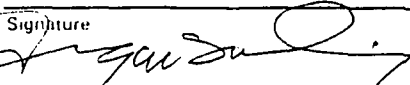
I have notified in writing the companies who have submitted data I have cited to support this application and have offered to: (a) Pay compensation for those data in accordance with section 3(c)(1)(D) and 3(c)(2)(D) of the Federal Insecticide, Fungicide and Rodenticide Act; and (b) Commence negotiations to determine which data are subject to the compensation requirement of FIFRA and the amount and terms of compensation due, if any. The companies I have notified are: *(Check one)*

☒ All companies listed on the Pesticide Data Submitters List for all active ingredients contained in my product (cite-all method or cite-all option under Selective Method). *(Also sign the General Offer to Pay Statement below.)*

☐ Those companies who have submitted the studies which I have cited (Selective method).

Signature 	Name and Title Dr. Alberto R. Quisumbing Vice President	Date December 7, 1994
--------------------------------------------------------------------------------------------------	---------------------------------------------------------------	--------------------------

General Offer to Pay: I hereby offer and agree to pay compensation to other persons, with regard to the approval of this application, to the extent required by FIFRA sec. 3(c)(1)(D) and 3(c)(2)(D).

Signature 	Name and Title Dr. Alberto R. Quisumbing Vice President	Date December 7, 1994
--------------------------------------------------------------------------------------------------	---------------------------------------------------------------	--------------------------

PLACE HOLDER PAGE

CROSS REFERENCE NUMBER: 1

The cross reference number noted on this place holder page is used in place of the following two pages (v. 1: Pages 10 - 11) which were deleted and are now found as Pages CA3 and CA4, respectively, in the Confidential Attachment (CA) at the end of this Volume.

Pages Deleted from v. 1	Reason For The Deletion	FIFRA Reference
Page 10	Confidential Statement of Formula Japanese Beetle Sex Lure	10(d)(1)(C)
Page 11	Confidential Statement of Formula Japanese Beetle Floral (Food) Lure	10(d)(1)(C)

LURE N KILL JAPANESE BEETLE

SEX LURE AND FLORAL (FOOD) LURE Biochemical Attractants

Proposed Product Labeling

Introduction

The following eight pages (Vol. 1: Pages 13 - 20) are the proposed copy for the following:

Label A: LURE N KILL JAPANESE BEETLE Replacement Bait Pack

This "bait pack" will contain the individual Japanese beetle sex lure and floral (food) lure dispensers. The proposed labeling for the front and back panels are on two pages, i.e., 13 and 14.

Label B: LURE N KILL JAPANESE BEETLE BAIT AND TRAP KIT

This "bait and trap kit" will consist of the the replacement bait pack (above) and the accessories needed to make a Japanese beetle trap, namely: one set of inter-locking vanes, trapped beetle disposal bags, and a tie for hanging the trap.

* **Package Labeling:** The proposed labeling for this package (on Pages 15 and 16) will consist of all the text from the bait pack (Label A) plus information relevant to the trap assembly.

* **Package Insert:** TRAP ASSEMBLY DIRECTIONS: The insert will contain the step-by-step instructions on how to assemble the Hercon LURE N KILL JAPANESE BEETLE Trap. The text for the insert (on Pages 17 - 20) will again contain the Label A copy.

NOTE: The proposed label for the bait pack is based on and contains the information appearing on labels of EPA-registered formulations of the Hercon Japanese beetle sex lure (currently part of BAG-A-BUG JAPANESE BEETLE TRAP, EPA Reg. No. 8845-48, and our previous LURETAPE WITH JAPONILURE, EPA Reg. No. 8730-18), and of the Hercon Japanese beetle floral (food) lure (our current EPA Reg. No. 8730-56). The formulations of the sex lure and floral (food) lure described in this application are *identical* to those of the currently registered products.

FRONT PANEL

LABEL A: Page 1 of 2

HERCON®

LURE N KILL®

Japanese Beetle

**BAIT PACK CONTAINING LONG-LASTING
SEX LURE AND FLORAL (FOOD) LURE
For Use in LURE N KILL and Other Japanese Beetle Traps**

PROTECTS YOUR YARD! LASTS THE ENTIRE BEETLE SEASON!

JAPANESE BEETLE SEX LURE

ACTIVE INGREDIENT:

(R,Z)-5-(1-Decenyl) dihydro-2(3H)-furanone	.....	00.47%*
INERT INGREDIENTS	.....	<u>99.53%</u>
TOTAL	.....	100.00%

*Equivalent to 1 mg japonilure pheromone A.I./dispenser

Minimum Net Weight: 0.23 g (.008 oz)/sex lure

JAPANESE BEETLE FLORAL (FOOD) LURE

ACTIVE INGREDIENTS:

Phenylethyl propionate (PEP)	.....	9.84%*
Geraniol	.....	9.84%*
Eugenol	.....	23.00%*
INERT INGREDIENTS	.....	<u>57.32%</u>
TOTAL	.....	100.00%

*Equivalent to 0.96 g (0.03 oz) PEP A.I., 0.96 g (0.03 oz) geraniol A.I.,
and 2.24 g (0.08 oz) eugenol A.I./dispenser

Minimum Net Weight: 9.7 g (0.34 oz)/dispenser

EPA Reg. No. 8730-XX

EPA Est. No. 8730 PA 01

CONTENTS: One Sex Lure and One Floral Lure/Bait Pack

MINIMUM NET WEIGHT: 9.93 g (0.35 oz)/Bait Pack

KEEP OUT OF REACH OF CHILDREN

CAUTION

Read Directions and Precautionary Statements Before Use

BACK PANEL

LABEL A: Page 2 of 2

This **LURE N KILL Japanese Beetle Bait Pack** consists of a dual sex lure and floral (food) lure system which attracts two to five times more Japanese beetles than traps with only a single lure. The lures combine to draw male and female Japanese beetles into a trap ... and away from valuable ornamentals, fruit trees, vegetables, flowers and shrubs. This product contains no killing agent to damage the environment and will not attract animals, birds or beneficial insects. Because of the unique HERCON controlled release system, both japonilure sex pheromone and floral attractant dispensers are designed to last for the entire trapping season. This **LURE N KILL Japanese Beetle Bait Pack** was developed for the **LURE N KILL Japanese Beetle Trap** but may also be used with other brands of Japanese Beetle traps.

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

CAUTION: Do not open protective pouches until ready to use. Avoid contact with skin and eyes. Wash hands thoroughly with soap and water after handling. If irritation persists, seek medical attention.

DIRECTION FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. Follow Japanese beetle trap label for assembly directions. Use one sex lure and one floral (food) lure for each Japanese beetle trap. Apply the lures to the top part, preferably the vane, of the Japanese beetle trap. **REPLACEMENT:** Under ordinary weather conditions, both sex and floral (food) lures should be effective for about 12 weeks. Replace the food lure after this period, or when its floral aroma is no longer noticeable.

STORAGE AND DISPOSAL

Storage: Store in a cool dry place until used. Do not contaminate water, food or feed by storage or disposal.

Disposal: Do not reuse empty pouches. Wrap used lures before disposing in trash.

NOTICE: HERCON ENVIRONMENTAL makes no warranty, express or implied, for any particular purposes concerning this product, other than those which are contained on this label. HERCON ENVIRONMENTAL will not accept liability for damage or injury resulting from misuse.

Made in the USA by

HERCON
Environmental

HERCON ENVIRONMENTAL COMPANY

A Division of Hercon Laboratories Corporation

Emigsville, PA 17318-0467

**LURE N KILL JAPANESE BEETLE TRAPS AND REPLACEMENT DISPOSAL BAGS ARE
AVAILABLE FROM YOUR LURE N KILL JAPANESE BEETLE BAIT PACK RETAILER.**

HERCON® and LURE N KILL® are registered trademarks of Health-Chem Corporation, New York, NY.

PACKAGE, MAIN PANEL

LURE N KILL JAPANESE BEETLE TRAP PACKAGE CONTAINING
JAPANESE BEETLE BAIT PACK AND TRAP COMPONENTS

LABEL B: Page 1 of 6

JAPANESE BEETLE TRAP PACKAGE

One set of inter-locking vanes.
One sex lure. One floral (food) lure.
Two beetle disposal bags. One 18-inch hang tie.
One complete Trap Assembly Guide.

HERCON®

LURE N KILL®

Japanese Beetle

COMPLETE TRAP AND BAIT PACKAGE

**PROTECTS YOUR YARD! LASTS THE ENTIRE BEETLE SEASON!
TRAPS OVER A 5,000 SQ.FT. AREA!**

JAPANESE BEETLE SEX LURE

ACTIVE INGREDIENT:

(R,Z)-5-(1-Decenyl) dihydro-2(3H)-furanone 00.47%*

INERT INGREDIENTS

..... 99.53%

TOTAL

..... 100.00%

*Equivalent to 1 mg japonilure pheromone A.I./dispenser

Minimum Net Weight: 0.23 g (.008 oz)/sex lure

JAPANESE BEETLE FLORAL (FOOD) LURE

ACTIVE INGREDIENTS:

Phenylethyl propionate (PEP) 9.84%*

Geraniol 9.84%*

Eugenol 23.00%*

INERT INGREDIENTS

..... 57.32%

TOTAL

..... 100.00%

*Equivalent to 0.96 g (0.03 oz) PEP A.I., 0.96 g (0.03 oz) geraniol A.I.,

and 2.24 g (0.08 oz) eugenol A.I./dispenser

Minimum Net Weight: 9.7 g (0.34 oz)/dispenser

EPA Reg. No. 8730-XX

EPA Est. No. 8730 PA 01

MINIMUM NET WEIGHT: 9.93 g (0.35 oz)/Bait Pack

KEEP OUT OF REACH OF CHILDREN

CAUTION

Read Directions and Precautionary Statements Before Use

PACKAGE: BACK AND SIDE PANELS

LABEL B: Page 2 of 6

LURE N KILL JAPANESE BEETLE TRAP PACKAGE CONTAINING
JAPANESE BEETLE BAIT PACK AND TRAP COMPONENTS

COPY TO GO WITH ILLUSTRATION OF ASSEMBLED TRAP:

JAPANESE BEETLE TRAP COMPONENTS:

INTERLOCKING VANES: Make the trap quick and easy to assemble.

LURES: Use controlled release dispensers of japonilure, the powerful Japanese beetle sex pheromone (attractant), and the three-component floral lure to attract both male and female beetles throughout the entire beetle season.

BEETLE DISPOSAL BAG: Makes disposal of dead beetles easy to do.

This **LURE N KILL Japanese Beetle Bait Pack** consists of a dual sex lure and floral (food) lure system which attracts two to five times more Japanese beetles than traps with only a single lure. The lures combine to draw male and female Japanese beetles into a trap ... and away from valuable ornamentals, fruit trees, vegetables, flowers and shrubs. This product contains no killing agent to damage the environment and will not attract animals, birds or beneficial insects. Because of the unique HERCON controlled release system, both japonilure sex pheromone and floral attractant dispensers are designed to last for the entire trapping season. This **LURE N KILL Japanese Beetle Bait Pack** was developed for the **LURE N KILL Japanese Beetle Trap** but may also be used with other brands of Japanese Beetle traps.

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

CAUTION: Do not open protective pouches until ready to use. Avoid contact with skin and eyes. Wash hands thoroughly with soap and water after handling. If irritation persists, seek medical attention.

DIRECTION FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. Before using lures, read enclosed directions for Japanese beetle trap assembly. Use one sex lure and one floral (food) lure for each Japanese beetle trap. Apply the lures to the top part, preferably the vane, of the Japanese beetle trap. **REPLACEMENT:** Under ordinary weather conditions, both sex and floral (food) lures should be effective for about 12 weeks. Replace the food lure after this period, or when its floral aroma is no longer noticeable.

STORAGE AND DISPOSAL

Storage: Store in a cool dry place until used. Do not contaminate water, food or feed by storage or disposal.

Disposal: Do not reuse empty pouches. Wrap used lures before disposing in trash.

NOTICE: HERCON ENVIRONMENTAL makes no warranty, express or implied, for any particular purposes concerning this product, other than those which are contained on this label. HERCON ENVIRONMENTAL will not accept liability for damage or injury resulting from misuse.

Made in the USA by

HERCON
Environmental

HERCON ENVIRONMENTAL COMPANY

A Division of Hercon Laboratories Corporation

Emigsville, PA 17318-0467

REPLACEMENT LURE N KILL JAPANESE BEETLE BAIT PACKS AND DISPOSAL BAGS ARE AVAILABLE FROM YOUR LURE N KILL JAPANESE BEETLE TRAP RETAILER.

HERCON® and LURE N KILL® are registered trademarks of Health-Chem Corporation, New York, NY.

PACKAGE INSERT: TRAP ASSEMBLY DIRECTIONS

LABEL B: Page 3 of 6

LURE N KILL JAPANESE BEETLE TRAP PACKAGE CONTAINING
JAPANESE BEETLE BAIT PACK AND TRAP COMPONENTS

**HOMEOWNER'S
JAPANESE BEETLE TRAP
ASSEMBLY GUIDE**

HERCON®
LURE N KILL®
Japanese Beetle

**SEX LURE AND FLORAL (FOOD) LURE
PROTECTS YOUR YARD! LASTS THE ENTIRE BEETLE SEASON!
TRAPS OVER A 5,000 SQ.FT. AREA!**

JAPANESE BEETLE SEX LURE

ACTIVE INGREDIENT:

(R,Z)-5-(1-Decenyl) dihydro-2(3H)-furanone 00.47%*

INERT INGREDIENTS

..... 99.53%

TOTAL

..... 100.00%

*Equivalent to 1 mg japonilure pheromone A.I./dispenser

Minimum Net Weight: 0.23 g (.008 oz)/sex lure

JAPANESE BEETLE FLORAL (FOOD) LURE

ACTIVE INGREDIENTS:

Phenylethyl propionate (PEP) 9.84%*

Geraniol 9.84%*

Eugenol 23.00%*

INERT INGREDIENTS

..... 57.32%

TOTAL

..... 100.00%

*Equivalent to 0.96 g (0.03 oz) PEP A.I., 0.96 g (0.03 oz) geraniol A.I.,

and 2.24 g (0.08 oz) eugenol A.I./dispenser

Minimum Net Weight: 9.7 g (0.34 oz)/dispenser

EPA Reg. No. 8730-XX

EPA Est. No. 8730 PA 01

KEEP OUT OF REACH OF CHILDREN

CAUTION

Read Directions and Precautionary Statements Before Use

PACKAGE INSERT: TRAP ASSEMBLY DIRECTIONS

LABEL B: Page 4 of 6

LURE N KILL JAPANESE BEETLE TRAP PACKAGE CONTAINING
JAPANESE BEETLE BAIT PACK AND TRAP COMPONENTS

This omnidirectional LURE N KILL JAPANESE BEETLE Trap is easily assembled by interlocking two attractive bright yellow vanes and attaching a dual sex lure and floral (food) lure system which attracts two to five times more Japanese beetles than traps with only a single lure. The trap works by drawing Japanese beetles away from valuable ornamentals, flowers and shrubs. The beetles, attracted by the sex and floral lures and the vanes' bright color, strike the vane and fall into the plastic bag ... and then die.

The active ingredient in the sex lure is japonilure, the exact copy of the powerful Japanese beetle sex pheromone (attractant), released by the adult female beetle to attract her mate. The food lure, on the other hand, consists of three components which give off a distinctive floral scent that attracts both male and female beetles throughout the entire beetle season. This product contains no killing agent to damage the environment and will not attract animals, birds or beneficial insects.

COPY TO GO WITH ILLUSTRATION OF ASSEMBLED TRAP:

JAPANESE BEETLE TRAP COMPONENTS:

INTERLOCKING VANES: Make the trap quick and easy to assemble.

LURES: Use controlled release dispensers of japonilure, the powerful Japanese beetle sex pheromone (attractant), and the three-component floral lure to attract both male and female beetles throughout the entire beetle season.

BEETLE DISPOSAL BAG: Makes disposal of dead beetles easy to do.

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

CAUTION: Do not open protective pouches until ready to use. Avoid contact with skin and eyes. Wash hands thoroughly with soap and water after handling. If irritation persists, seek medical attention.

DIRECTION FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

Read directions for Japanese beetle trap assembly BEFORE using the lures. Use one sex lure and one floral (food) lure for each Japanese beetle trap. Apply the lures to the top part, preferably the vane, of the Japanese beetle trap. **REPLACEMENT:** Under ordinary weather conditions, both sex and floral (food) lures should be effective for about 12 weeks. Replace the food lure after this period, or when its floral aroma is no longer noticeable.

STORAGE AND DISPOSAL

Storage: Store in a cool dry place until used. Do not contaminate water, food or feed by storage or disposal.

Disposal: Do not reuse empty pouches. Wrap used lures before disposing in trash.

PACKAGE INSERT: TRAP ASSEMBLY DIRECTIONS

LABEL B: Page 5 of 6

LURE N KILL JAPANESE BEETLE TRAP PACKAGE CONTAINING
JAPANESE BEETLE BAIT PACK AND TRAP COMPONENTS

TRAP ASSEMBLY DIRECTIONS

Tips on How to Get the Most of Your LURE N Kill Japanese Beetle Trap

1. Set the omnidirectional trap by sliding the vanes together so slots interlock (Fig. 1).
2. **ATTACHING THE SEX LURE:** Remove lure from its protective pouch. Peel off backing paper covering sticky side of sex lure. Attach sex lure by pressing the sticky side against the yellow vane surface (Fig. 2).
ATTACHING THE FLORAL (FOOD) LURE: Remove lure from its protective pouch. Thread lure through the slots of the two vanes, gently pushing down to lock floral lure dispenser in place (Fig. 3).
ATTACHING THE COMBO PACK: The sex lure and floral lure may also come packaged as a "combo pack" which is a pouch with two separate compartments. To activate the lures in the combo pack, simply peel away the plastic layer which covers the "windows" of the sex lure and floral lure compartments (Fig. 4). Next, peel off the backing paper covering the sticky side of the pouch (Fig. 5); press this sticky side against one side of the vane (Fig. 6). For traps with smaller vanes, fold the combo pack and press the sticky side against both sides of the vane (Fig. 7).
DO NOT REMOVE LURES FROM THE COMBO PACK.
3. **BAG ATTACHMENT:** Attach one disposal bag onto the yellow vane assembly. Slip the four small slits on the open end of the bag onto the hooks on the vanes. Be careful not to tear or stretch the slits on the disposal bag
4. **HANGING THE TRAP.** Insert about 3 to 4 inches of the hang tie through the holes in the top part of the vane assembly. Tightly twist the tie to secure the trap in place.
Hang the trap by attaching the long end of the hang tie to a post or stake or optional trap stand. The bottom of the bag should be at least 1 foot above the ground (Fig. 8) and the trap free to move in the wind without hitting any obstruction. Hang the trap where small children cannot reach it.
5. **USING THE TRAP.** To intercept beetles heading toward the trap, place the stake with the trap about 30 feet **downwind** from foliage. Do not place the trap near or in the foliage as it will attract more beetles to it. For maximum effectiveness, use one trap per 1/8 acre.
Most Japanese beetles are active and flying during sunny days with temperatures between 70° - 95°F and from mid-morning through mid-afternoon. Check the bag periodically. Replace it when the lower portion is filled with beetles, or every five days to reduce the possibility of other beetles being repelled by the odor of the dead beetles.
6. **BEETLES (BAG) DISPOSAL.** Knot the top funnel portion of filled bag before disposing it in a trash receptacle. Generally, beetles trapped in the bag will die after several hours in the heat and sun. To make sure that beetles are dead, leave sealed bags in the sun to kill trapped insects before disposal.
7. **LURE DISPOSAL.** Wrap used lures and put in trash receptacle for collection.

PACKAGE INSERT: TRAP ASSEMBLY DIRECTIONS

LABEL B: Page 6 of 6

LURE N KILL JAPANESE BEETLE TRAP PACKAGE CONTAINING
JAPANESE BEETLE BAIT PACK AND TRAP COMPONENTS

NOTICE: HERCON ENVIRONMENTAL makes no warranty, express or implied, for any particular purposes concerning this product, other than those which are contained on this label. HERCON ENVIRONMENTAL will not accept liability for damage or injury resulting from misuse.

Made in the USA by

HERCON
Environmental

HERCON ENVIRONMENTAL COMPANY

A Division of Hercon Laboratories Corporation

Emigsville, PA 17318-0467

**REPLACEMENT LURE N KILL JAPANESE BEETLE BAIT PACKS AND DISPOSAL BAGS
ARE AVAILABLE FROM YOUR LURE N KILL JAPANESE BEETLE TRAP RETAILER.**

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APPLICATION FOR REGISTRATION
LURE N KILL JAPANESE BEETLE

SEX LURE AND FLORAL (FOOD) LURE
Biochemical Attractants
END-USE PRODUCT

EPA File Symbol 8730-XX

LURE N KILL JAPANESE BEETLE (JB) - Volume 1

CONFIDENTIAL ATTACHMENT

Author

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Product Development Manager

Date Completed

December 11, 1994

Submitted by

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CROSS REFERENCE PAGE

CROSS REFERENCE NUMBER: 1

The cross reference number noted on the place holder page was used in place of the following two pages (v. 1: Pages 10 - 11) which were deleted and are now found in this Confidential Attachment (CA).

Page No. in v. 1 CA		Reason For The Deletion	FIFRA Reference
10	CA3	Confidential Statement of Formula Japanese Beetle Sex Lure	10(d)(1)(C)
11	CA4	Confidential Statement of Formula Japanese Beetle Floral (Food) Lure	10(d)(1)(C)

PRODUCT: HERCON INSECTAPE WITH CHLORPYRIFOS II

REGISTRANT: HERCON ENVIRONMENTAL COMPANY, Emigsville, PA 17318

SUBJECT: PRODUCT CHEMISTRY

This application for registration is submitted under the "CITE-ALL" Method of Support.

The source of chlorpyrifos, the active ingredient, in the formulated product is another EPA-registered product, DURSBAN R 87%, EPA Reg. No. 62719-44, which is purchased from DowElanco (Indianapolis, IN).

Since 1977, this Hercon product has been marketed as HERCON INSECTAPE CONTAINING CHLORPYRIFOS, EPA Reg. No. 8730-10. The original registration notice was issued by EPA in 1977. We are "re-applying" for registration of this product because the previous registration was cancelled for "non-payment of annual maintenance fee".

The following relevant information are included in this section:

1. Confidential Statement of Formula (with Certified Limits)
2. General Description of the Production Method
3. Description of the Product
4. Analytical Procedure to Determine Chlorpyrifos Concentration and Amount in Hercon Laminated Controlled Release Dispensers
5. Stability Data (from original submission, October 1, 1975).

As to this product's physical state, color and odor, please note that HERCON INSECTAPE WITH CHLORPYRIFOS II is a solid multilayered, flexible, reinforced flat strip suitable for use as a long-lasting insecticide dispenser to kill crawling insects and pests in enclosures. The color of the strip is determined by the color of the PVC layer used in the laminate. The odor of the product is the characteristic odor of chlorpyrifos (Dursban).

PRODUCT: HERCON INSECTAPE WITH CHLORPYRIFOS II

Page 1 of 1

REGISTRANT: HERCON ENVIRONMENTAL COMPANY, Emigsville, PA 17318

SUBJECT: TOXICITY DATA

This application for registration is submitted under the "CITE-ALL" Method of Support. The source of chlorpyrifos, the active ingredient, in the formulated product is another EPA-registered product, Dursban R, EPA Reg. No. 62719-44, which is manufactured by DowElanco (Indianapolis, IN).

This Hercon product has been marketed since 1977 as HERCON INSECTAPE CONTAINING CHLORPYRIFOS, EPA Reg. No. 8730-10. The original EPA registration was issued in 1977. Hercon Environmental is re-applying for a new EPA registration of this product because the previous registration, EPA Reg. No. 8730-10, was cancelled for "non-payment of annual maintenance fee".)

Since this application is being submitted under the "CITE-ALL" Method of Support, please refer to data on chlorpyrifos on file with EPA. A letter of authorization from DowElanco allowing EPA to refer to confidential data is being mailed directly to the attention of the Product Manager, Team 12.

The inert ingredients used in this product are identical or essentially similar to those ingredients in other Hercon Environmental EPA-registered products, including:

1. HERCON LURE N KILL ROACH AND ANT KILLER,
EPA Reg. No. 8730-35 (A.I.'s: propoxur and periplanone-B);
2. HERCON INSECTAPE HIGH-TECH WITH PROPOXUR,
EPA Reg. No. 8730-49 (A.I.: propoxur);
3. HERCON VAPORTAPE II,
EPA Reg. No. 8730-50 (A.I.: dichlorvos); and
4. HERCON FLEA & TICK 10% DOG AND CAT COLLAR,
EPA Reg. No. 8730-51 (A.I.: propoxur).

PRODUCT: HERCON INSECTAPE WITH CHLORPYRIFOS II

Page 1 of 1

REGISTRANT: HERCON ENVIRONMENTAL COMPANY, Emigsville, PA 17318

SUBJECT: EFFICACY DATA

This application for registration is submitted under the "CITE-ALL" Method of Support.

The source of the active ingredient, in the formulated product is another EPA-registered product, Dursban R, EPA Reg. No. 62719-44, which is manufactured by DowElanco (Indianapolis, IN).

This Hercon product has been marketed since 1977 as HERCON INSECTAPE CONTAINING CHLORPYRIFOS, EPA Reg. No. 8730-10. The original EPA registration was issued in 1977. Hercon Environmental is re-applying for a new EPA registration of this product because the previous registration, EPA Reg. No. 8730-10, was cancelled for "non-payment of annual maintenance fee".

Product efficacy data were part of the original submission sent to EPA on October 1, 1975. Please note that the Hercon controlled release system basically allows a given dose of chlorpyrifos insecticide to be effective for a longer period by regulating the insecticide migration and release from the reservoir. The insecticide on the active surface of the strip is chlorpyrifos which has already been shown to be effective against the insects listed on the proposed label.